

Title (en)  
APPARATUS FOR DETECTING ANOMALIES IN CORDUROY PREPARATION

Publication  
**EP 0148288 B1 19900228 (EN)**

Application  
**EP 83810611 A 19831222**

Priority  
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Abstract (en)  
[origin: EP0148288A1] The apparatus detects corduroy cutter needles coming out from the weft yarn loop channels which the needles should cut open, by a laser beam scanning about 10 to 20 times a second, transversely the region where the parallel needles are working. The scanning laser beam creates a diffused light pattern having the general form of a transversal prism, e.g. a cylinder; a plurality of detector devices determines any variation in the light distribution, as to time and lateral distance, in this scattered of diffused light pattern. A logic carrying out and displaying the scanning and detecting as well as stopping the corduroy cutting machine is described too.

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**D03D 51/44**; **D06C 13/08**; **G01N 21/89**

IPC 8 full level  
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CPC (source: EP KR US)  
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**EP 0148288 A1 19850717**; **EP 0148288 B1 19900228**; AT E50644 T1 19900315; BR 8406674 A 19851022; CA 1260113 A 19890926; DE 3381253 D1 19900405; ES 538919 A0 19851216; ES 8603079 A1 19851216; FI 845046 A0 19841220; FI 845046 L 19850623; GR 82497 B 19850419; IL 73646 A0 19850228; IL 73646 A 19881230; JP S60162856 A 19850824; KR 850004281 A 19850711; MX 160200 A 19891221; PT 79725 A 19850101; PT 79725 B 19861210; TR 22677 A 19880226; US 4870727 A 19891003; ZA 849469 B 19850731

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